



Figure 1

HS 33	Y												
maize LS	LH	DF	GS	EI	LP	RA	VL	DHS	VQA	CIF	TG	YWED	VGTI
wheat LS	LH	DF	GS	EI	LP	RA	LH	DHN	VQA	YVF	TD	YWED	IGTI
barley LS	LH	DF	GS	EI	LP	RA	LH	DHN	VQA	YVF	TD	YWED	IGTI
potato LS	SN	DF	GS	EI	LP	AA	ID	YN	VQA	YIF	KD	YWED	IGTI

Figure 2

HS 40	I																									
maize LS	A	G	K	V	P	I	G	I	G	R	N	T	K	I	R	N	C	I	I	D	M	N	A	R	I	G
wheat LS	E	G	K	V	P	I	G	V	G	E	N	T	K	I	S	N	C	I	I	D	M	N	A	R	I	G
barley LS	E	G	K	V	P	I	G	V	G	E	N	T	K	I	S	N	C	I	I	D	M	N	A	R	I	G
potato LS	E	G	K	V	P	I	G	I	G	E	N	T	K	I	R	K	C	I	I	D	K	N	A	K	I	G
spinach	I														K	D	A	I	I	D	K	N	A	R		
LS																										

Figure 3

#426
F

TS48

maize LS	C	S	R	V	S	S	G	C	E	L	K	D	S	V	M	M	G	A	D	I
wheat LS	R	S	R	L	N	S	G	S	E	L	K	N	A	M	M	M	G	A	D	S
barley LS	R	S	R	L	N	S	G	S	E	L	K	N	A	M	M	M	G	A	D	S
rice LS	S	S	R	V	S	S	G	C	E	L	K I								
	. S	R	.	S	S	G	.	E	L	K	. . . m m g a d .									

Figure 4A

#324
K

TS60

maize LS	D	F	G	S	E	I	L	P	R	A	V	L	D	H	S	V	Q	.	A	C	I	F	T	G	Y
wheat LS	D	F	G	S	E	I	L	P	R	A	L	H	D	H	N	V	Q	.	A	Y	V	F	T	D	Y
barley LS	D	F	G	S	E	I	L	P	R	A	L	H	D	H	N	V	Q	.	A	Y	V	F	T	D	Y
rice LS	D	F	G	S	E	I	L	P	R	A	L	L	E	H	N	V	K	V	A	C	V	F	T	E	Y
	D	F	G	S	E	I	L	P	R	A	I	.	d	H	n	v	q	.	A	.	v	F	T	.	Y

#359
V

TS60

maize LS	E	D	V	G	T	I	K	S	F	F	D	A	N	L	A	L	T	E	Q	P	S	K	F	D	F
wheat LS	E	D	I	G	T	I	R	S	F	F	D	A	N	M	A	L	C	E	Q	P	P	K	F	E	F
barley LS	E	D	I	G	T	I	R	S	F	F	D	A	N	M	A	L	C	E	Q	P	P	K	F	E	F
rice LS	E	D	I	G	T	I	K	S	F	F	D	A	N	L	A	L	T	E	Q	P	P	K	F	E	F
	E	D	i	G	T	I	.	S	F	F	D	A	N	.	A	L	.	E	Q	P	p	K	F	e	F

Figure 4B

#177
V

RTS48-2	
maize LS	T Q M P E E P A G W F Q G T A D S I R K
wheat LS	T Q M P G E A A G W F R G T A D A V R K
barley LS	T Q M P G E A A G W F R G T A D A V R K
rice LS	T Q M P D E P A G W F Q G T A D A I R K
	T Q M P . E . A G W F . G T A D a . R K

Figure 5A

#396
V

RTS60-1	
maize LS	D K C K . . M K Y A F I S D G C L L R E
wheat LS	D K C R . . I K E A I I S H G C F L R E
barley LS	D K C R . . I K E A I I S H G C F L R E
rice LS	D K C K C K I K D A I I S D G C S F S E
	D K C . . . i K . A i I S . G C . f r E

Figure 5B